

ABSTRACT OF THE DISCLOSURE

An optical magnification adjustment system being capable of minutely correcting magnification. A first lens 1 of plano-convex is installed on the side of an object surface 5, and a second lens 2 of concave-plano is installed on the side of a formed image surface 7. By controlling the center space d between the first lens and the second lens, the image is enlarged or reduced. The radii of curvature $R2$ and $R3$ of the convex surface of the first lens and the concave surface of the second lens are respectively set according to the following equations.

$$R2 = (1 - n1) / \phi 2$$

$$R3 = (n2 - 1) / \phi 3$$

where, $\phi 2$ and $\phi 3$ represent optical power, and

$n1$ and $n2$ represent refraction indexes, respectively.